

LPF7044-1 SERIES

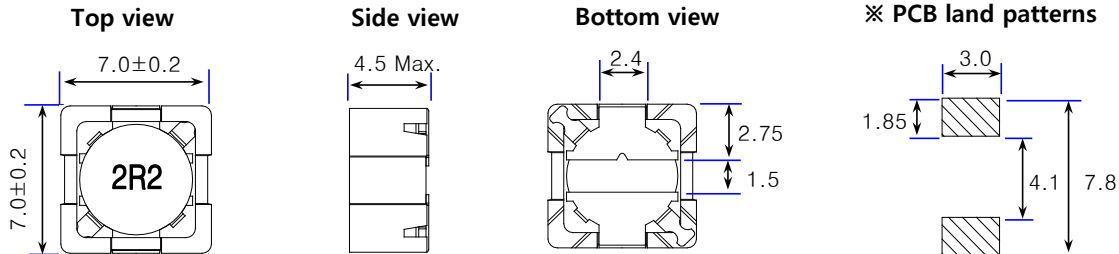


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LPF7044-1 SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



※ Marking : White

■ ELECTRICAL CHARACTERISTICS

() is typical value.

Ordering code	Inductance [μH]	Tolerance (%)	F (kHz)	Rdc ±20% (Ω)	Idc1 Max. (A)	Idc2 Typ. (A)
LPF7044T - 1R0N - 1	1.0	± 30	100	0.017	6.90	4.50
LPF7044T - 2R2M - 1	2.2	± 20		0.022	5.90	4.10
LPF7044T - 3R3M - 1	3.3	± 20		0.034	4.80	3.60
LPF7044T - 4R7M - 1	4.7	± 20		0.037	4.00	3.00
LPF7044T - 6R8M - 1	6.8	± 20		0.042	3.80	2.80
LPF7044T - 100M - 1	10.0	± 20		0.069	3.00	2.20
LPF7044T - 150M - 1	15.0	± 20		0.095	2.50	1.80
LPF7044T - 220M - 1	22.0	± 20		0.114	2.00	1.70
LPF7044T - 330M - 1	33.0	± 20		0.160	1.60	1.40
LPF7044T - 470M - 1	47.0	± 20		0.235	1.20	1.00
LPF7044T - 680M - 1	68.0	± 20		0.313	1.10	0.95
LPF7044T - 101M - 1	100.0	± 20		0.453	0.90	0.80
LPF7044T - 151M - 1	150.0	± 20		0.687	0.80	0.65
LPF7044T - 221M - 1	220.0	± 20		1.090	0.70	0.48
LPF7044T - 331M - 1	330.0	± 20		1.529	0.50	0.45
LPF7044T - 471M - 1	470.0	± 20		2.214	0.48	0.35
LPF7044T - 681M - 1	680.0	± 20		3.670	0.40	0.27
LPF7044T - 102M - 1	1000.0	± 20	4.450	0.32	0.23	

▼ Test Equipments

- Inductance measured : Agilent E4980A Precision LCR Meter or equivalent(100kHz, 0.5V)
- Rdc : HIOKI 3540 mΩ HiTESTER or equivalent
- Idc1(The saturation current) : $\Delta L \leq 20\%$ reduction from initial L value
Agilent 4284A LCR Meter + Agilent 42841A Bias Current Source
- Idc2(The temperature rise): $\Delta T = 40^\circ\text{C}$ typical at rated DC current
Yokogawa DR130 Hybrid Recorder + Agilent 6692A DC Power Supply
- ※ Rated DC current(Idc) : The value of Idc1 or Idc2 , whichever is smaller

▼ Operating Temperature Range

-40 ~ +105°C (Including self-generated heat)

▼ LQ vs F Characteristic